

Figure 1A

Prior Art

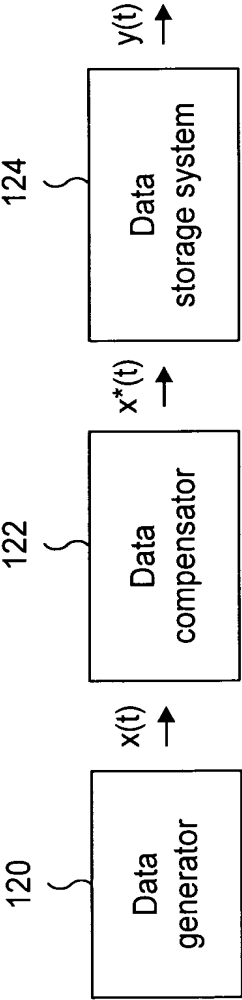


Figure 1B

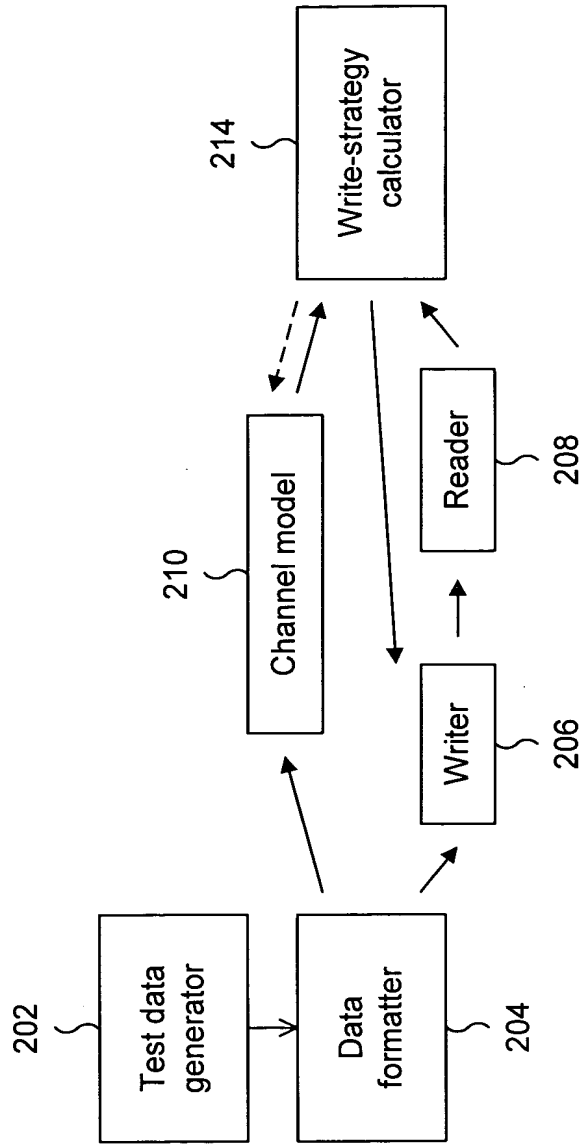


Figure 2  
Write compensation system

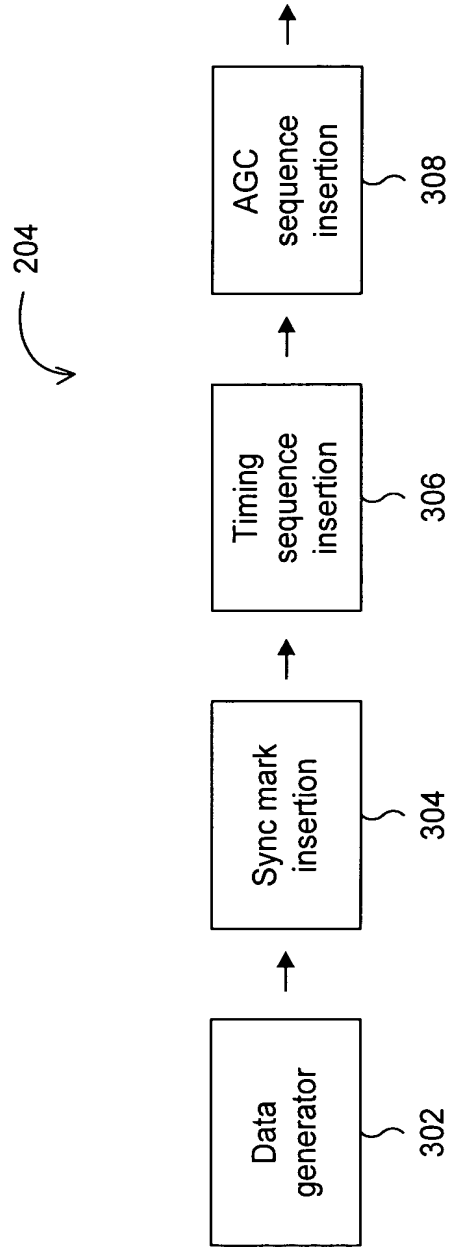


Figure 3  
Data formatter

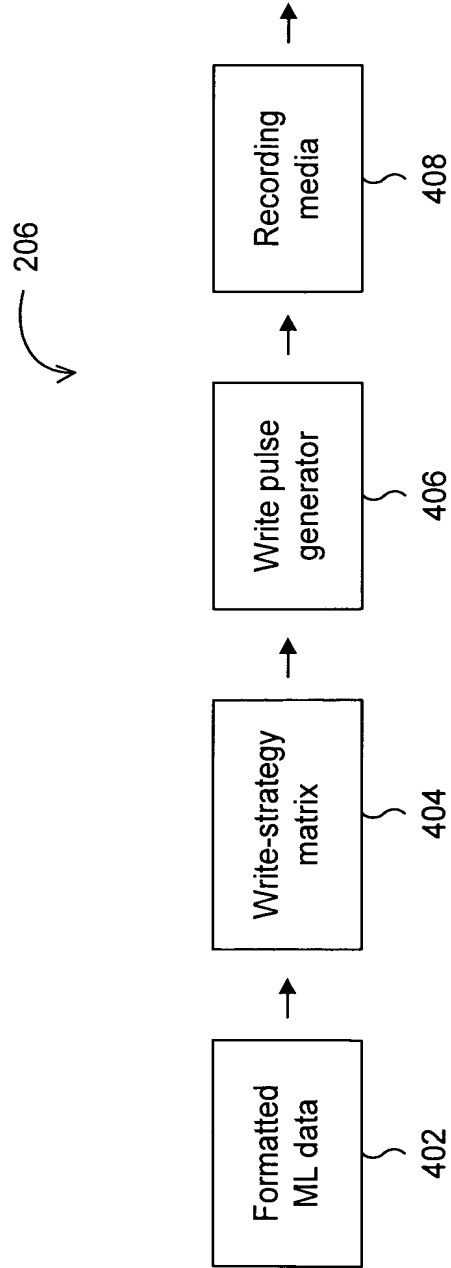


Figure 4A  
Data formatter

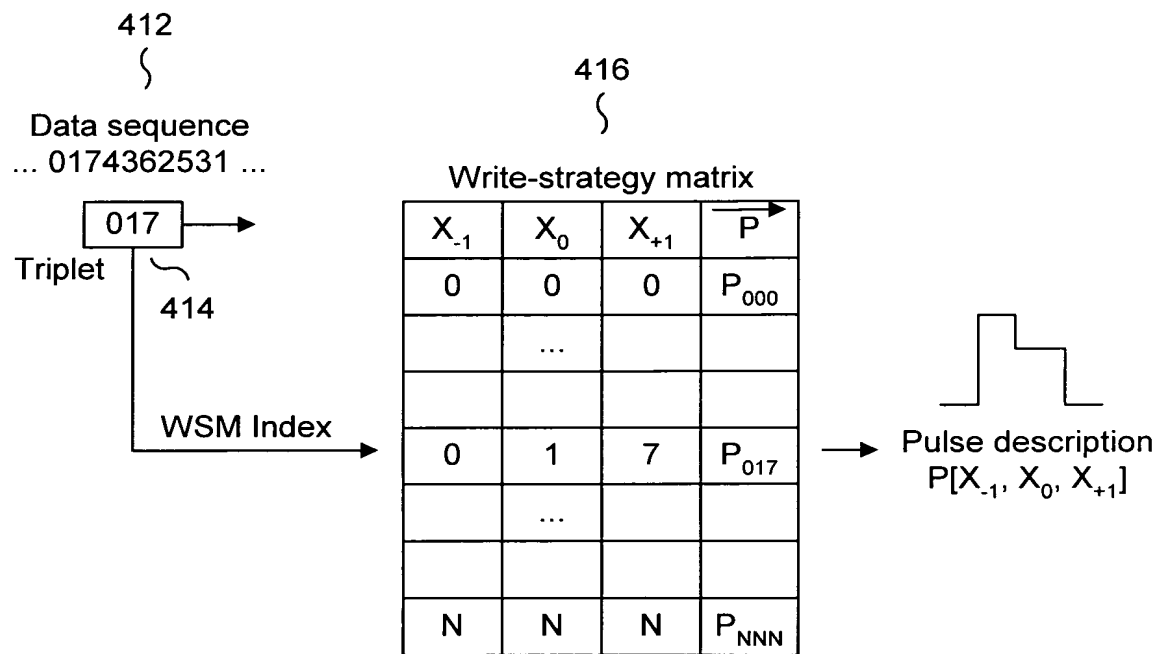


Figure 4B

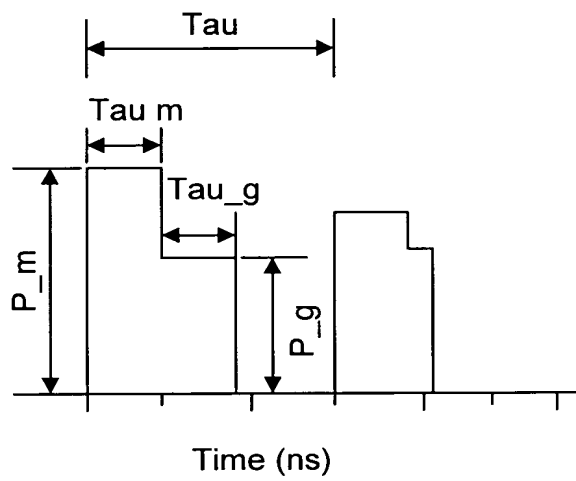


Figure 4C

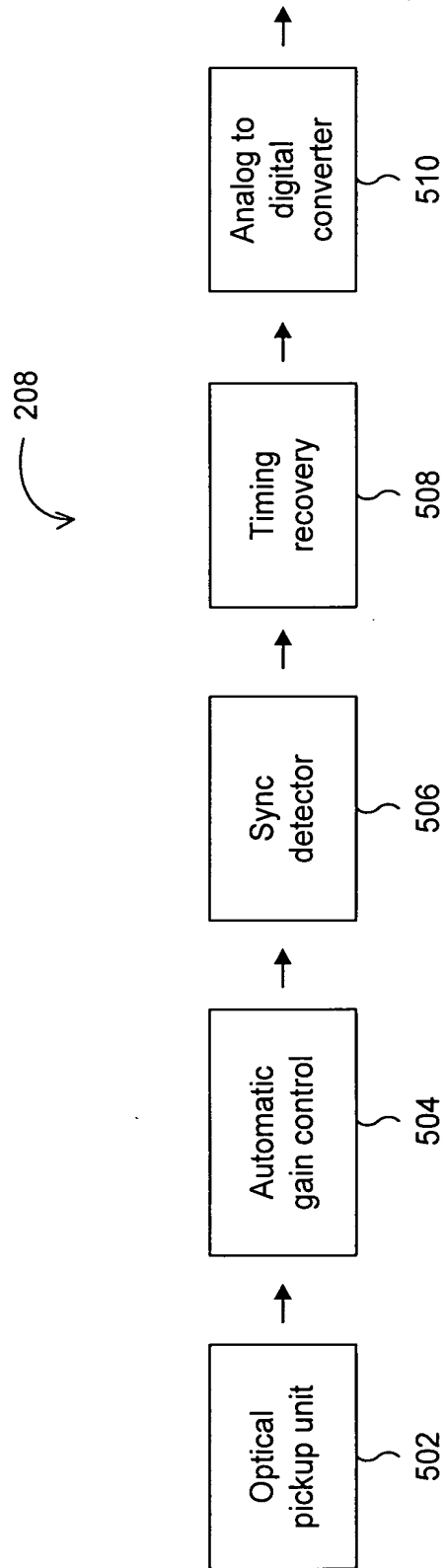


Figure 5

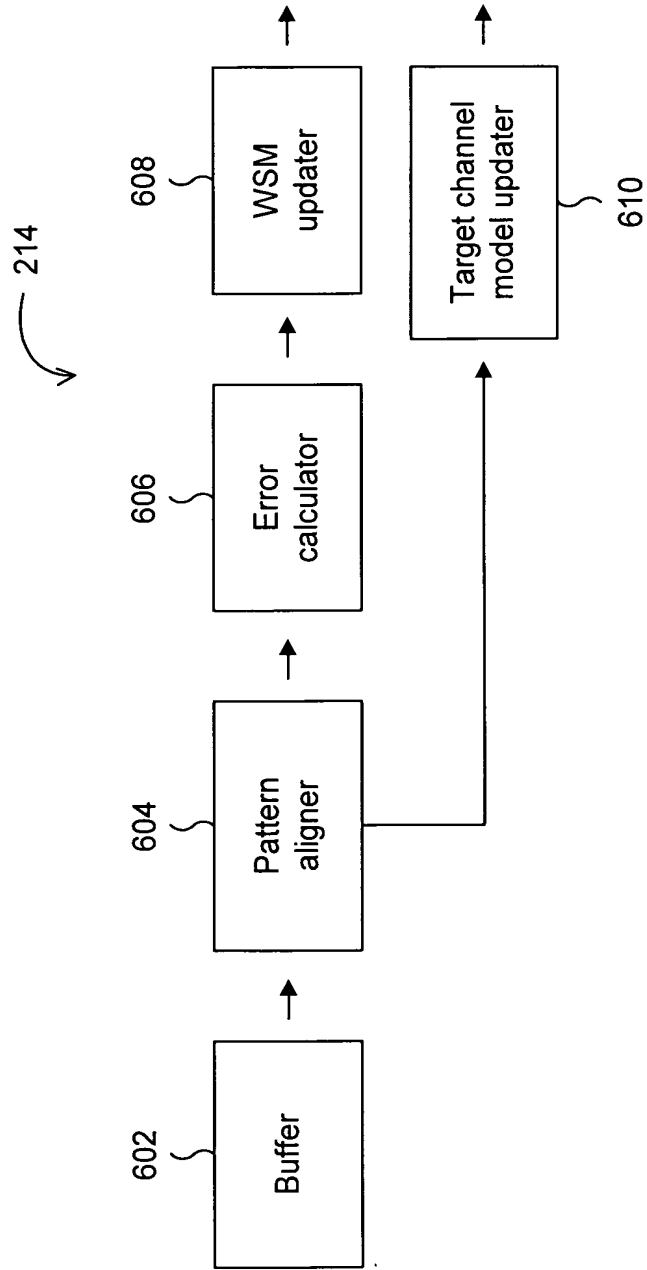


Figure 6A  
Write-strategy calculator



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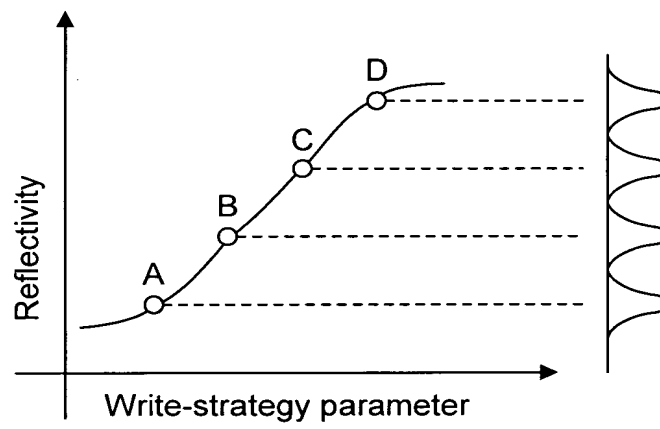


Figure 6B

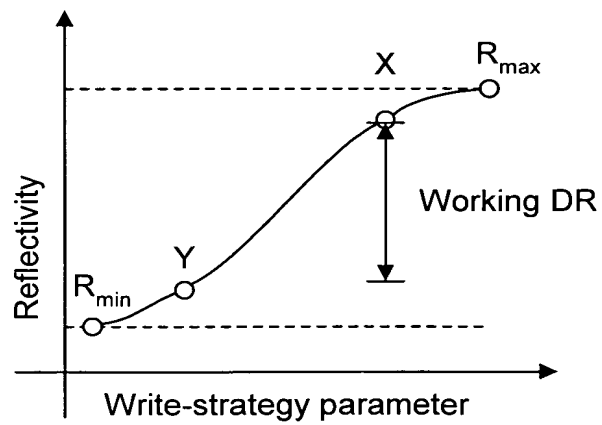
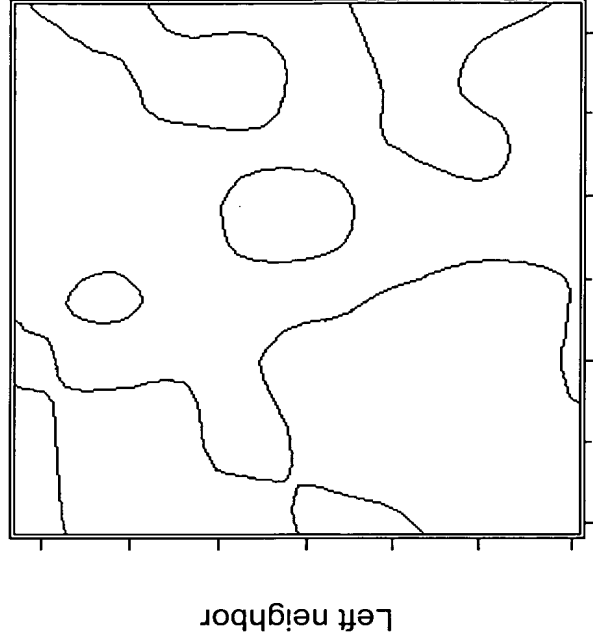


Figure 6C

Non-linear error (level 3)  
after precompensation



Non-linear error (level 3)  
before precompensation

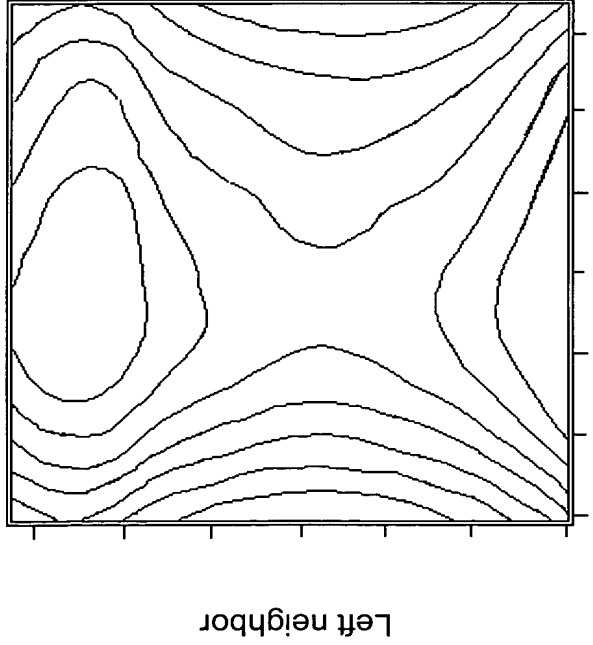


Figure 6D

Level placement criteria

ELC = Equal Level Criteria  
CDC = Constant Discriminability Criteria

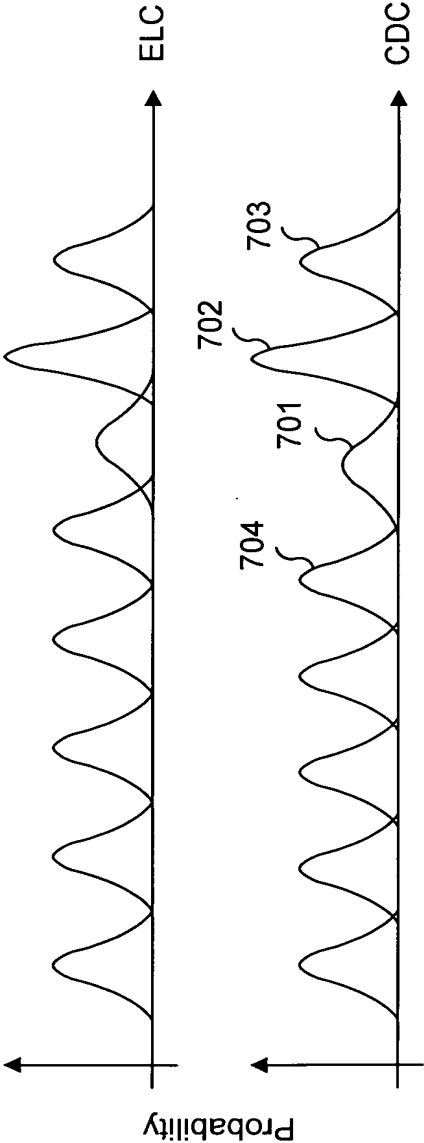


Figure 7

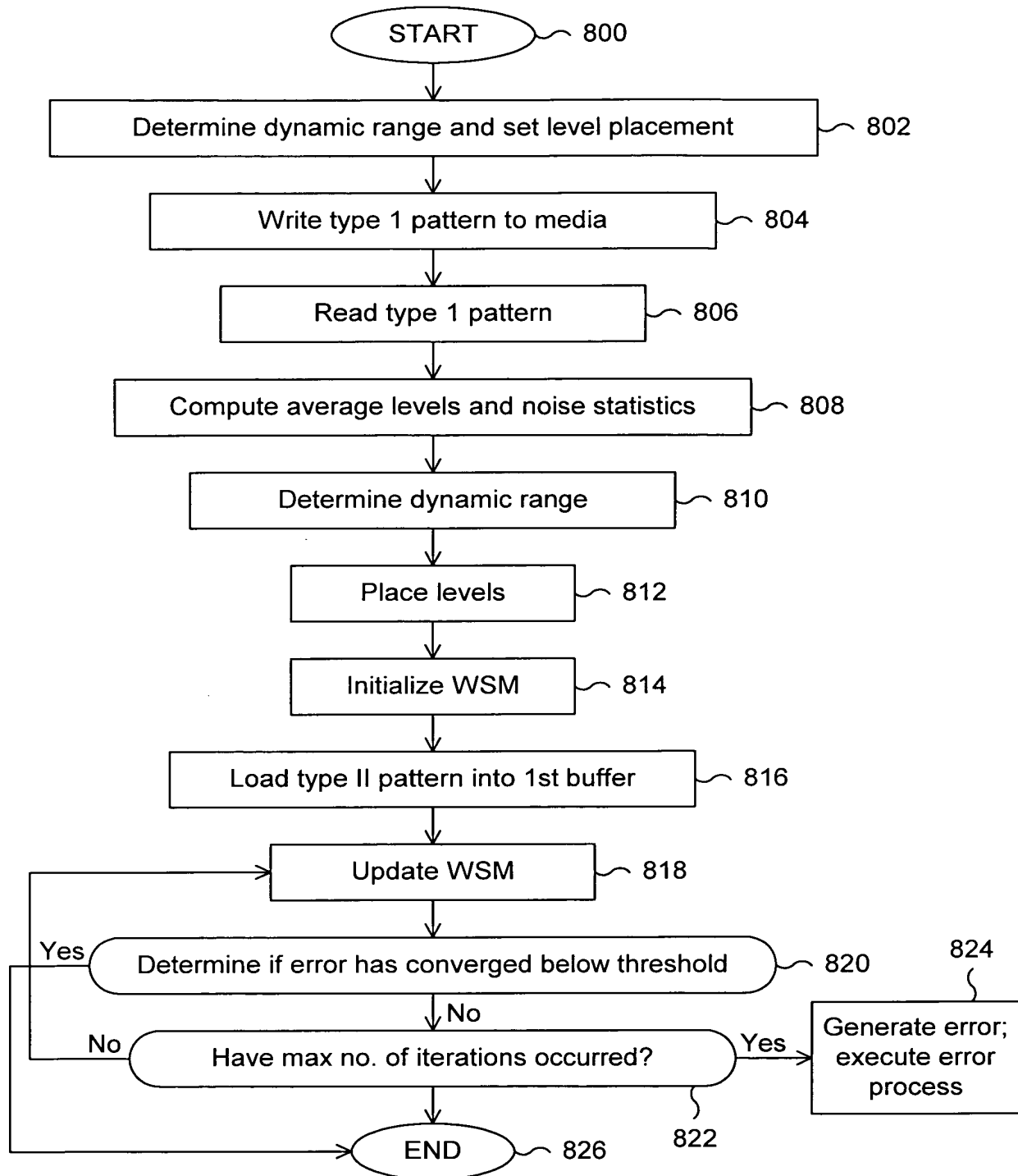


Figure 8A

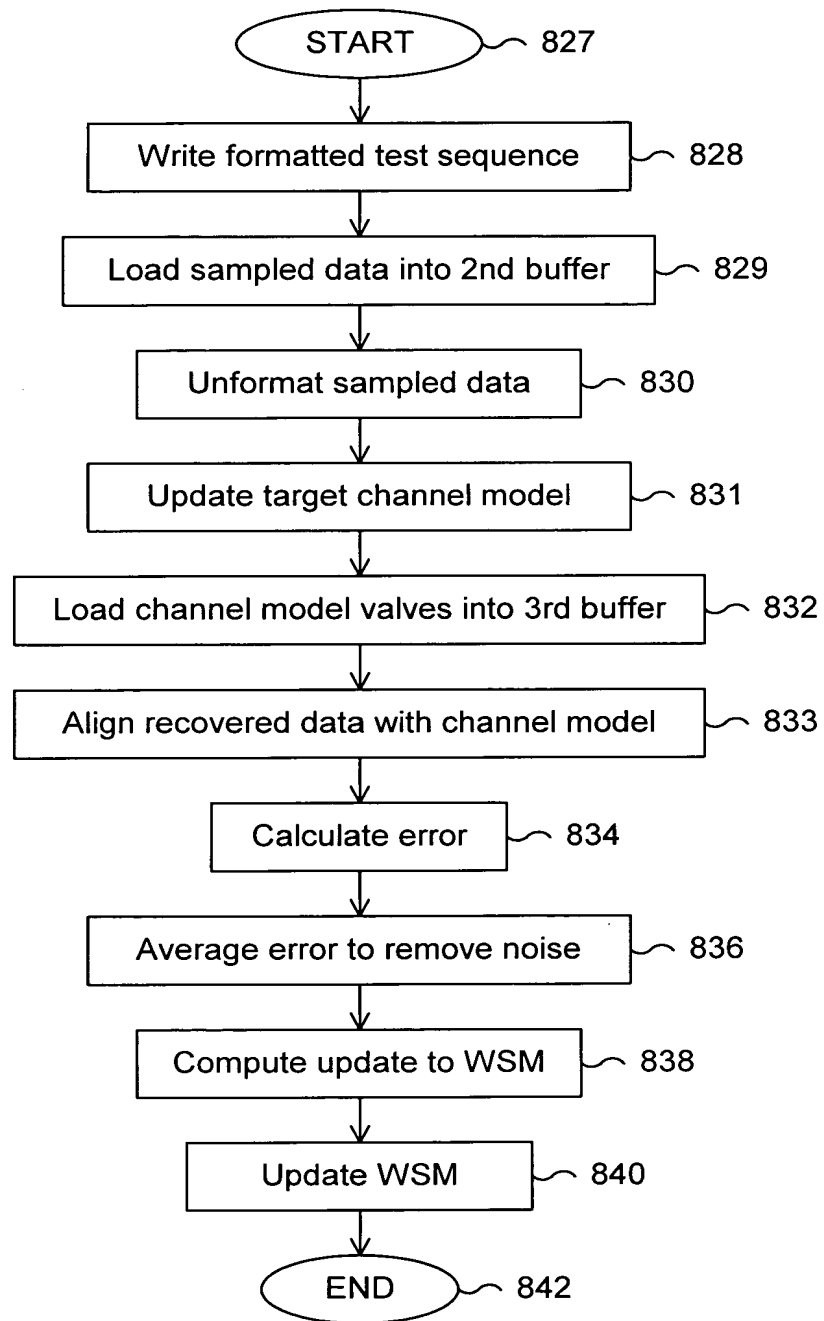


Figure 8B